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25X1

25X1

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25X1

USIB-D-41.11/7
(COMOR-D-36/7)
3 May 1967
Limited Distribution

See USIB-D-46.1/2 dtd 21 June 1967
(filed behind 36/7)

UNITED STATES INTELLIGENCE BOARD

Approved by DCI 20 June 1967

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT :

25X1

REFERENCES :

a. USIB-D-41.11/4 (COMOR-D-36/4), 1 June 1965
b. USIB-D-41.11/5 (COMOR-D-36/5), 11 June 1965
c. Memorandum for Holders of USIB-D-41.11/5, 6 July 1965
d. USIB-D-41.11/6 (COMOR-D-36/6), 24 August 1965, Limited Distribution
e. Item 2, USIB-M-402, 16 September 1965
f. USIB-D-69.3/1, 17 January 1967, Limited Distribution
g. USIB-D-5.1/7, 3 May 1967

NRO Review Completed.

DIA review completed.

USAF review completed.

1. During the USIB Meeting of 16 September 1965 (reference e.), it was agreed that it would be best to defer completion of USIB action on the report by the Ad Hoc Committee 25X1 chaired by the National Reconnaissance Office (NRO) (reference a.) pending completion of a major study of photo-interpretation facilities which had been requested by the Bureau of the Budget.

2. The results of this study were contained in the report of the Joint Imagery Interpretation Review Group (JIIRG). The Director of Central Intelligence in reference f. informed the Board of the approval by him and the Deputy Secretary of Defense of the recommendations by the JIIRG. As indicated therein, the USIB was identified as the authority responsible for monitoring and coordinating the implementation and execution of the National Tasking Plan. The National Tasking Plan provides that tasking 25X1 will be in consonance with USIB decisions, and that first-phase exploitation 25X1 25X1

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25X1

25X1 [redacted]

USIB-D-41.11/7
(COMOR-D-36/7)
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25X1

of USIB-tasked Penetration missions [redacted] will be conducted
25X1 [redacted] in accordance with USIB-approved procedures.

3. Mr. Helms also informed the Board that he was asking Mr. John Bross, his Deputy for National Intelligence Programs Evaluation, to review and make recommendations to USIB on the way the Board manages its responsibilities related to overhead reconnaissance and its exploitation. By separate memorandum (reference g.), the USIB is being asked to consider recommendations by Mr. Bross for the establishment of a Committee on Imagery Requirements and Exploitation (COMIREX) which would, in addition to other duties, assist the Board in carrying out its responsibilities based on the JIIRG report.

4. The Chairman of USIB also requested that the Executive Secretary undertake those actions necessary to permit final consideration by the USIB of the subject [redacted] 25X1 taking into account the approved Recommendation 4. of the JIIRG.

5. Following consultation with representatives of CIA, DIA, and NRO it is recommended that the USIB now take the following actions with respect to the Recommendations of the Ad Hoc Committee on [redacted] 25X1
25X1 [redacted] contained in paragraphs 11. a. through e. respectively of Enclosure B to reference a.:

25X1 a. Approve the statement on "Policy and Procedures for [redacted] Selected Nationally Programmed Photographic Reconnaissance Missions (Excluding Satellite Reconnaissance)," in Tab A of that Enclosure, subject to the following amendments:

(1) Assign the tasks specified in paragraph 5. b. to the Committee on Imagery Requirements and Exploitation (COMIREX) in place of the Committe 25X1 on Overhead Reconnaissance (COMOR).

[redacted]

25X1
25X1

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(COMOR-D-36/7)
3 May 1967
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(2) Revise paragraph 5.d. (2) (a) by adding "through Unified and Specified Commands" as requested by DIA in reference d.

(A copy of that statement as amended is shown in the attachment hereto.) 25X1

25X1

b. Concur that [redacted] be designated as a center [redacted] for the processing and reporting of the photographic results of nationally programmed reconnaissance missions in the 25X1 [redacted] as assigned and certified after technical review by NRO.

25X1

c. Concur that [redacted] be designated 25X1 [redacted] its certification to await a technical review by NRO.

25X1

d. Concur that the NRO give consideration to readjustment in the present arrangements for processing of [redacted] reconnaissance missions looking toward the utilization of 25X1 [redacted] whenever this is advantageous, and that at the institution of any new program the use of [redacted] be given 25X1 prime consideration.

e. Direct that the Committee on Imagery Requirements and Exploitation (COMIREX), in consultation with reconnaissance management authorities, should continually review and update policies and procedures of mutual concern relating to the effective interface of

25X1 [redacted] This review should include comments and recommendations concerning the adequacy of the [redacted] 25X1
(This paragraph is in accordance with Recommendation 4 of the JIIRG report, and is a substitute for paragraph 11. e. 25X1 of the Ad Hoc Committee report.)

25X1

25X1

[redacted]

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25X1

25X1

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USIB Action Requested

6. Board members are requested to advise the USIB Secretariat by close of business 18 May of their concurrence in or other views on the proposed actions contained in paragraph 5 of the above.

25X1

Executive Secretary

Attachment

25X1

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25X1

25X1

25X1

POLICY AND PROCEDURES FOR SELECTED NATIONALLY PROGRAMMED PHOTOGRAPHIC RECONNAISSANCE MISSIONS (EXCLUDING SATELLITE RECONNAISSANCE)

25X1

1. PURPOSE: To establish policies and procedures for the selected nationally programmed photographic reconnaissance missions. (DEFINITION: Nationally programmed photographic reconnaissance missions are those conducted by the (S) National Reconnaissance Office (NRO) or other agencies in response to United States Intelligence Board (USIB) requirements.)

25X1

25X1

2. CANCELLATION: Upon implementation of these policies and procedures the 1957 agreement governing the operations is null and void.

25X1

25X1

3. GENERAL: In order to provide for the most expeditious processing and reporting of nationally programmed photographic reconnaissance missions, two fixed photographic processing and reporting facilities, one have been designated. Other processing and reporting units will be established as required.

25X1

When field processing and readout are directed, these centers will be responsible, primarily, for processing to meet (S) NRO standards and expeditious reporting in response to requirements of the USIB and, additionally, requirements of the respective parent Unified Command.

4. FACILITIES: In order to provide the required facilities and personnel, the Department of Defense (DoD) has designated as the following:

25X1

25X1

25X1

25X1

25X1

25X1

25X1

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25X1 25X1 [redacted]

Attachment to
USIB-D-41.11/7
3 May 1967

a. Location

25X1 25X1 25X1 (1) [redacted] 25X1
Manned and operated by the

25X1 25X1 25X1 (2) [redacted] 25X1
Manned and operated by the

(3) Such other facilities as may, on an interim basis, be required by the (S) NRO to support the (TS) National Reconnaissance Program.

b. Requirements: To meet both theater and national intelligence needs, each 25X1 [redacted] should provide for the following:

(1) Secure facility

(2) Quality processing

(3) Volume production of original negatives and duplicates

(4) Secure communications

(5) Sufficient number of properly trained exploitation personnel

(6) Intelligence data handling system

5. MISSION: It shall be the mission [redacted] to process, reproduce, 25X1 and report on such reconnaissance missions as directed by the (S) NRO with the advice of USIB. In fulfilling this mission the following tasks will be accomplished.

a. (S) National Reconnaissance Office (NRO):

25X1 (1) Certify that designated [redacted] are operational. 25X1 25X1

[redacted]

25X1

25X1 [redacted]

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(2) Assign processing responsibilities to specific [redacted] 25X1 (reporting should be accomplished at the processing site for reason of speed).

(3) On a priority basis provide for the shipment of a duplicate positive and mission track of all nationally programmed reconnaissance missions from [redacted] to the National Photographic Interpretation Center (NPIC). 25X1

(4) Provide designated [redacted] timely mission alerting information as required. 25X1

(5) Provide mission track to the designated [redacted] as soon as practicable. 25X1

25X1 (6) Provide [redacted] technological assistance and quality standards for photographic processing.

(7) Receive complaints from consumers and initiate remedial action if and as required.

25X1 (8) Provide [redacted] with emergency procurement and shipment of photographic processing equipment and supplies.

(9) Provide emergency funding to support [redacted] operations. 25X1

(10) Provide basic guidance on national plans (e.g., anticipated sorties rates, emergence of new capabilities, etc.) which will affect the accomplishment of [redacted] missions. 25X1

b. Committee on Imagery Requirements and Exploitation (COMIREX)

(1) On behalf of USIB, advise the (S) NRO as to the degree of urgency on processing and reporting of each mission.

25X1 (2) Provide each [redacted] with current listings of established USIB (COMIREX) reconnaissance requirements.

[redacted] 25X1

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(3) Provide (S) NRO with a priority schedule of the community's needs for duplication of film.

c. (C) National Photographic Interpretation Center (NPIC):

25X1 (1) Provide each [redacted] background data on COMIREX target objectives and support to enhance the maintenance of an 25X1 [redacted] intelligence library, in response to arrangements made with NPIC by the Defence Intelligence Agency (DIA) on behalf 25X1 of the [redacted]

25X1 (2) Provide each [redacted] on request, photographic interpretation assistance and services for the reporting of COMIREX target objectives.

d. Department of Defense (DoD):

(1) Unified and Specified Commands:

(a) Insure adequate facilities, personnel, equipment, and supplies for processing are provided the [redacted] in accordance with the standards established by the (S) NRO. 25X1

(b) Insure adequate facilities, personnel, equipment, and supplies for photographic exploitation are provided the 25X1 [redacted] in accordance with standards established by the DoD.

(c) Insure implementation of instructions and tasks as established by the (S) NRO, and, as appropriate, by the USIB.

(2) Defense Intelligence Agency (DIA):

(a) Act as the executive agent for (S) NRO, COMIREX, and NPIC in their contacts with the [redacted] through Unified and Specified Commans. 25X1

(b) Receive complaints from consumers regarding Photo Interpretation, and initiate remedial action when and if required. 25X1

25X1 [redacted]

25X1

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25X1
25X1

(3) The Military Departments:

(a) Provide personnel, facilities, and equipment as required to support the [redacted] 25X1

(b) Provide and maintain secure communications - facilities responsive to the need for prompt reporting.

(4) [redacted] 25X1

(a) Maintain required security of their designated operating areas.

(b) Procure and maintain their processing equipment and supplies in accordance with the standards established by (S) NRO.

(c) Acquire and maintain on board adequately cleared and appropriately qualified personnel required for sustained operations.

(d) Acquire and maintain an intelligence reference library to enhance the timeliness and accuracy of reporting.

(e) Process original negatives of assigned missions.

(f) Reproduce and ship copies as directed.

(g) Prepare Immediate Photographic Interpretation Report and transmit cable to Theater [redacted] recipients under identical priority. 25X1

6. FUNDING:

25X1
NRO

25X1
a. [redacted]

25X1

25X1

25X1

25X1

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25X1

25X1

b. [redacted] operated by the U.S. Navy will be provided direct material support by the (S) NRO on an as required basis.

25X1

7. COMMUNICATIONS: All communications bearing on nationally controlled operations will be handled via [redacted] channels, except in those cases where authorization has been received from the (S) NRO.

25X1

25X1

25X1

[redacted]

25X1

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Chairman's

25X1

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25 May 1967
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UNITED STATES INTELLIGENCE BOARD

MEMORANDUM TO HOLDERS OF USIB-D-41.11/7

SUBJECT : 25X1

REFERENCE : USIB-D-41.11/7 (COMOR-D-36/7) 3 May 1967, Limited Distribution

1. In response to the request in paragraph 6 of the reference, State, DIA, NSA, AEC and NRO concurred in the proposed action contained in paragraph 5 thereof; the FBI abstained.

2. The CIA Member concurred in the recommended action in paragraph 5 of the reference subject to the modifications indicated in the enclosure to this memorandum. The CIA Member stated that the modifications are intended to clarify responsibilities for 25X1 and to ensure that presently established and satisfactory processing arrangements are not affected by the proposed USIB actions.

USIB ACTION REQUESTED

3. Board Members are requested to advise the Secretariat by close of business 1 June 1967 of their concurrence in or other views on the enclosed changes to the reference document as recommended by the CIA Member.

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Executive Secretary

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Enclosure

GROUP 1
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Common Bus.

25X1
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25X1

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8 June 1967
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UNITED STATES INTELLIGENCE BOARD

MEMORANDUM TO HOLDERS OF USIB-D-41.11/7

SUBJECT : 25X1

REFERENCES : a. USIB-D-41.11/7 (COMOR-D-36/7) 3 May 1967 Limited Distribution
b. Memo to Holders of USIB-D-41.11/7, 25 May 1967, Limited Distribution

1. The views of USIB Members on USIB-D-41.11/7 (reference a.) were circulated by reference b. with the request for telephonic concurrence in the changes to reference a. recommended by the CIA Member.

2. Subsequent to circulation of reference b., representatives of CIA, DIA, NRO and the Air Force have consulted and agreed upon the proposed changes to USIB-D-41.11/7 shown in the attachment hereto, to supersede the changes recommended by the CIA Member in reference b.

USIB ACTION REQUESTED

3. Board Members are requested to advise the Secretariat by close of business 14 June 1967 of their concurrence in or other views on the changes to USIB-D-41.11/7 (reference a) proposed in the attachment hereto.

25X1

25X1

Executive Secretary

25X1

Attachment

25X1

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25X1

[redacted]

Attachment
Memo to Holders
USIB-D-41.11/7
8 June 1967
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PROPOSED CHANGES
TO
USIB-D-41.11/7 (COMOR-D-36/7) 3 MAY 1967

Paragraph 5.b.

25X1 "Concur that [redacted] be designated as a center [redacted] for the processing and 25X1
reporting of the photographic results of selected nationally programmed
25X1 reconnaissance missions [redacted] as assigned and certified after technical review by NRO."

Paragraph 3 "GENERAL" of Attachment

Revise by substituting the following sentence for the last sentence of the first paragraph: "Other existing processing and reporting facilities will be used to meet United States intelligence needs consistent with operational considerations."

Add the following sentence at the beginning of the second unnumbered paragraph:
"The determination of assignment of a nationally programmed task for these
25X1 [redacted] units will be the subject of consultation between the USIB and the NRO and is subject to the approval of each."

Paragraph 5 of Attachment

"MISSION: It shall be the mission of the [redacted] to process, reproduce, and 25X1
report on such reconnaissance missions as assigned. In fulfilling this mission the following tasks will be accomplished: . . ."

Paragraph 5.a. (5) of Attachment

"Provide mission track to the designated [redacted] as soon as practicable, 25X1
commensurate with mission security."

Paragraph 5.c. (2) of Attachment

25X1 "Provide each [redacted] on request, photographic interpretation assistance and services, as appropriate, for the reporting of COMIREX target objectives."

25X1 [redacted] 25X1
25X1

[redacted] 25X1

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21 June 1967
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this is filed with COMIREX-D-36/7

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT : 25X1

REFERENCES:
a. USIB-D-41.11/7 (COMOR-D-36/7), 3 May 1967, Limited Distribution
b. DCID No. 1/13

1. The United States Intelligence Board (USIB), including the Deputy Director of the National Reconnaissance Office (NRO) for this matter, approved as of 20 June 1967 the following actions after consideration of reference a.:

25X1 a. Approved the attached statement on "Policy and Procedures for on Selected Nationally Programmed Photographic Reconnaissance Missions (Excluding Satellite Reconnaissance)".

25X1

25X1 b. Concurred that be designated an as assigned and certified after technical review by NRO.

25X1

25X1 c. Concurred that be designated for the European theater, its certification to await a technical review by NRO.

25X1

25X1

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25X1

25X1

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25X1

d. Concurred that the NRO give consideration to readjustment in the present arrangements for processing reconnaissance missions looking toward the utilization of whenever this is advantageous, and that at the institution of any new program the use of be given prime consideration.

25X1

25X1

e. Directed that the Committee on Imagery Requirements and Exploitation (COMIREX), in consultation with reconnaissance management authorities, continually review and update policies and procedures of mutual concern relating to the effective interface of

25X1

2. Accordingly, the above USIB-approved actions are circulated for the information and guidance of all concerned, and for appropriate implementation by the Committee on Imagery Requirements and Exploitation (COMIREX), the National Reconnaissance Office (NRO), and other departments and agencies designated in the attachment hereto.

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25X1

Executive Secretary

Attachment

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25X1

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USIB-D-46.1/2
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Policy and Procedures for [redacted] 25X1
Selected Nationally
Programmed Photographic Reconnaissance Missions
(Excluding Satellite Reconnaissance)

1. PURPOSE: To establish policies and procedures for the [redacted] 25X1
25X1 selected nationally programmed photographic reconnaissance missions. (DEFINITION: Nationally programmed photographic reconnaissance missions are those conducted by the (S) National Reconnaissance Office (NRO) or other agencies in response to United States Intelligence Board (USIB) requirements.)
25X1

2. CANCELLATION: Upon implementation of these policies and procedures the 1957 agreement governing the [redacted]
25X1 [redacted] operations is null and void.

3. GENERAL: In order to provide for the most expeditious processing and 25X1
reporting of nationally programmed photographic reconnaissance missions,
25X1 [redacted] fixed photographic processing and reporting facilities, [redacted] Other existing processing and reporting facilities will be used to meet United States intelligence needs consistent with operational considerations.

The determination of assignment of a nationally programmed task for these field units will be the subject of consultation between the USIB and the NRO and is subject to the approval of each. When [redacted] processing and rea- 25X1
out are directed, these centers will be responsible, primarily, for processing to meet (S) NRO standards and expeditious reporting in response to requirements of the USIB and, additionally, requirements of the respective parent Unified Command.

4. FACILITIES: In order to provide the required facilities and personnel, the Department of Defense (DoD) has designated as [redacted] 25X1
25X1 [redacted] the following:
25X1

25X1

[redacted]

25X1

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25X1
25X1

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25X1

a. Location

(3) Such other facilities as may, on an interim basis, be required by the (S) NRO to support the (TS) National Reconnaissance Program.

25X1

b. Requirements: To meet both theater and national intelligence needs, each should provide for the following:

(1) Secure facility

(2) Quality processing

(3) Volume production of original negatives and duplicates

(4) Secure communications

(5) Sufficient number of properly trained exploitation personnel

(6) Intelligence data handling system

5. MISSION: It shall be the mission of the to process, reproduce, and report on such reconnaissance missions as assigned. In fulfilling this mission the following tasks will be accomplished:

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25X1

a. (S) National Reconnaissance Office (NRO):

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25X1

(1) Certify that designated are operational.

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(2) Assign processing responsibilities to specific 25X1 (reporting should be accomplished at the processing site for reason of speed).

(3) On a priority basis provide for the shipment of a duplicate positive and mission track of all nationally programmed reconnaissance missions from the 25X1 to the National Photographic Interpretation Center (NPIC).

(4) Provide designated 25X1 timely mission alerting information as required.

(5) Provide mission track to the designated 25X1 as soon as practicable, commensurate with mission security.

25X1 (6) Provide technological assistance and quality standards for photographic processing.

(7) Receive complaints from consumers and initiate remedial action if and as required.

25X1 (8) Provide with emergency procurement and shipment of photographic processing equipment and supplies.

(9) Provide emergency funding to support 25X1 operations.

(10) Provide basic guidance on national plans (e.g., anticipated sorties rates, emergence of new capabilities, etc.) which will affect the accomplishment of 25X1 missions.

b. Committee on Imagery Requirements and Exploitation (COMIREX)

(1) On behalf of USIB, advise the (S) NRO as to the degree of urgency on processing and reporting of each mission.

25X1 (2) Provide each with current listings of established USIB (COMIREX) reconnaissance requirements.

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(3) Provide (S) NRO with a priority schedule of the community's needs for duplication of film.

c. (C) National Photographic Interpretation Center (NPIC):

25X1 (1) Provide each [redacted] background data on COMIREX target objectives and support to enhance the maintenance of an 25X1 [redacted] intelligence library, in response to arrangements made with NPIC by the Defence Intelligence Agency (DIA) on behalf 25X1 of the [redacted]

25X1 (2) Provide each [redacted] on request, photographic interpretation assistance and services, as appropriate, for the reporting of COMIREX target objectives.

d. Department of Defense (DoD):

(1) Unified and Specified Commands:

(a) Insure adequate facilities, personnel, equipment, and supplies for processing are provided the [redacted] in accordance with the standards established by the (S) NRO. 25X1

25X1 (b) Insure adequate facilities, personnel, equipment, and supplies for photographic exploitation are provided the [redacted] in accordance with standards established by the DoD.

(c) Insure implementation of instructions and tasks as established by the (S) NRO, and, as appropriate, by the USIB.

(2) Defense Intelligence Agency (DIA):

(a) Act as the executive agent for (S) NRO, COMIREX, and NPIC in their contacts with the [redacted] through Unified and Specified Commans. 25X1

(b) Receive complaints from consumers regarding Photo Interpretation, and initiate remedial action when and if required. 25X1

25X1 [redacted] 25X1

25X1

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25X1

[redacted]

25X1

Attachment
USIB-D-46.1/2
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(3) The Military Departments:

(a) Provide personnel, facilities, and equipment as required to support the [redacted] 25X1

(b) Provide and maintain secure communications - facilities responsive to the need for prompt reporting.

(4) [redacted] 25X1

(a) Maintain required security of their designated operating areas.

(b) Procure and maintain their processing equipment and supplies in accordance with the standards established by (S) NRO.

(c) Acquire and maintain on board adequately cleared and appropriately qualified personnel required for sustained operations.

(d) Acquire and maintain an intelligence reference library to enhance the timeliness and accuracy of reporting.

(e) Process original negatives of assigned missions.

(f) Reproduce and ship copies as directed.

(g) Prepare Immediate Photographic Interpretation Report and transmit cable to Theater and [redacted] recipients under identical priority. 25X1

6. FUNDING: NRO 25X1

a. [redacted] 25X1

25X1 25X1

25X1

25X1

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25X1 25X1 [redacted]

b. [redacted] 25X1 operated by the [redacted] by the (S) NRO 25X1 on an as required basis.

7. COMMUNICATIONS: All communications bearing on nationally controlled operations will be handled via [redacted] 25X1 channels, except in those cases where authorization has been received from the (S) NRO.

25X1

[redacted] 25X1

25X1

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USIB-D-41.11/6
(COMOR-D-36/6)
24 August 1965
Limited Distribution

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT :

REFERENCES :
a. USIB-D-41.11/4 (COMOR-D-36/4), 1 June 1965
b. USIB-D-41.11/5 (COMOR-D-36/5), 11 June 1965
c. Memorandum for Holders of USIB-D-41.11/5, 6 July 1965

1. During vote sheet action on reference b., DIA requested deferment to permit extensive Department of Defense coordination (see reference c.). This coordination has now been completed and DIA has recommended certain changes which are indicated below:

a. Change paragraph 5 d (2) of Tab A to Enclosure B (of USIB-D-41.11/4), to add "through Unified and Specified Commands".

Reason: To emphasize the channel of communication to is through the Unified or Specified Command concern.

b. Invite Army to participate on the Standing Committee for matters.

c. USIB recommend that Dr. McMillan request the Secretary of Defense issue necessary instructions to DOD elements after comment on the report by the Joint Chiefs of Staff.

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USIB-D-41.11/6
(COMOR-D-36/6)
24 August 1965
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2. Subsequently, the DIA recommendations were submitted to COMOR for review and comment. COMOR concurred in the DIA recommendations and suggested the following addition:

> "That the Navy also be invited to participate on the Standing Committee for matters." 25X1

USIB Action Requested:

3. Accordingly, USIB members are requested to indicate by completing and returning the vote sheet at Tab A to the Secretariat by the close of business 1 September, their concurrence or other views with regard to the Recommendations contained in paragraphs 1 and 2 above.

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Executive Secretary

Attachment

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Tab A
USIB-D-41.11/6
(COMOR-D-36/6)
24 August 1965
Limited Distribution

MEMORANDUM FOR EXECUTIVE SECRETARY, USIB

SUBJECT : USIB Vote Sheet Action

REFERENCE : USIB-D-41.11/4 (COMOR-D-36/4), 1 June 1965, Special Limited Distribution

1. With respect to the Recommendations contained in paragraphs 1 and 2 of this covering memorandum:

a. I concur therein. _____

b. I concur therein, subject to the comments or amendments set forth in paragraph 2 below. * _____

c. I do not concur in those Recommendations. See comments below. * _____

2. Comments or amendments:*

_____
(Signature)

_____
(Title)

_____ _____
(Date) (Agency)

*May necessitate classification and control of this memorandum.

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USIB-D-41.11/5
(COMOR-D-36/5)
11 June 1965
Limited Distribution

As attached for USIB action on 6 July 1965

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT :

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REFERENCE : USIB-D-41.11/4 (COMOR-D-36/4) 1 June 1965
Special Limited Distribution

1. The attached memorandum from the Chairman, Committee on Overhead Reconnaissance (COMOR), containing comments on the Enclosures to the reference, is circulated herewith for consideration by the United States Intelligence Board (USIB).

2. In view of the fact that COMOR generally concurs in the Recommendations in paragraph 11 of Colonel Ohlmeyer's letter to Dr. McMillan (Enclosure B of reference), and the implementing actions proposed by the Director, National Reconnaissance Office (D/NRO) (Enclosure A of reference), it is proposed that USIB-D-41.11/4 be handled by vote sheet action in accordance with paragraph 2. below, rather than being scheduled on the agenda of a Board meeting.

USIB Action Requested

3. Accordingly, USIB Members are requested to indicate by completing and returning the vote sheet at Tab A to the Secretariat by the close of business 17 June their concurrence or other views with regard to the Recommendations contained in paragraph 11 of Enclosure B of the reference, as well as "noting" the implementing actions planned by the D/NRO listed in sub-paragraphs a. through e. on page 2. of Enclosure A of the reference.

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Executive Secretary

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Attachment
USIB-D-41.11/5
(COMOR-D-36/5)
11 June 1965
Limited Distribution

25X1

MEMORANDUM FOR: United States Intelligence Board

SUBJECT: 25X1

REFERENCE: USIB-D-41.11/4 (COMOR-D-36/4)

In accordance with the injunction of paragraph 3 of the reference, the Committee on Overhead Reconnaissance (COMOR) has reviewed the report of the Ad Hoc Committee on 25X1

25X1 and Dr. McMillan's forwarding memorandum. COMOR recommends, the Army reserving, that USIB concur in the recommendations contained in paragraph 11 of Colonel Ohlmeyer's letter to Dr. McMillan and that the Director of the National Reconnaissance Office proceed with the implementing actions proposed by him.

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25X1

Commi Chairman
Overhead Reconnaissance

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6 July 1965

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR HOLDERS OF USIB-D-41.11/5

SUBJECT : 25X1

REFERENCES : a. USIB-D-41.11/5 (COMOR-D-36/5), 11 June 1965, Limited Distribution through Restricted Channels
b. USIB-D-41.11/4 (COMOR-D-36/4), 1 June 1965, Special Limited Distribution through Restricted Channels

1. In response to reference a., CIA, State, NSA and AEC have concurred in the recommendations in reference b. The FBI abstained.

2. DIA has requested that USIB action on this matter be deferred pending coordination within the Department of Defense. The DIA memorandum is circulated herewith for the information of the Board.

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Executive Secretary

Attachment

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USIB-D-41.11/4
COMOR-D-36/4
1 June 1965

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We received 9 copies. Distribution is as follows:

24--state tco
25--dia tco
26--oacsi tco
27--oni tfo
28--afnin tco
29--nsa
30--cia [redacted]
31--~~ddp-tco~~ returned 4 June 65 (memo dtd) [redacted]
32--JQR & HC (This is only copy we have)

[redacted] 25X1

25X1

filed in COMOR Gen with dummy in Chrono - 7 Dec 66

This paper will be discussed at the 10 June COMOR Meeting.

NRO wrote the paper --JQR said not to send them a copy
NPIC--usib sent them a copy.

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[redacted]

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USIB-D-41.11/4
(COMOR-D-36/4)
1 June 1965
Special Limited Distribution

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT :

1. As agreed by the Deputy Director of Central Intelligence (DDCI); the Director, Defense Intelligence Agency (DIA); and the Director, National Reconnaissance Office (NRO); an Ad Hoc Committee under the Chairmanship of NRO was appointed to review and recommend updating of the policies and procedures for The Ad Hoc Committee has completed its report and submitted it to the Director, NRO.

2. The enclosed memorandum from the Director, NRO (Enclosure A), forwarding the Committee report via a letter from its Chairman (Enclosure B), is circulated as suggested by Dr. McMillan for United States Intelligence Board (USIB) consideration of the Recommendations contained in paragraph 11 of Colonel Ohlmeyer's letter to the Director, NRO. The Board should also note the implementing actions planned by the D/NRO, which are listed in sub-paragraphs a. through e. on page 2 of his forwarding memorandum to USIB.

3. Prior to placing this item on the agenda of a USIB meeting, however, the enclosures are also referred hereby to the Committee on Overhead Reconnaissance (COMOR) for submittal of comments to the Board.

Enclosures:
A-Memo for USIB from Director, NRO, 20 May 196
B-Report of Ad Hoc Committee on Overseas Processing and Reporting
C-1957 CIA-USAF Agreement

Executive Secretary

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Enclosure B
25X1
1 June 1965

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REPORT OF THE

AD HOC COMMITTEE

25X1

26 FEBRUARY 1965

This report consists of 27 pages.

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Enclosure A to
USIB-D-41.11/4 (B-4620-65)
(COMOR-D-36/4)
1 June 1965
Special Limited Distribution

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At appropriate times, I will apprise the USIB of progress in this area.

25X1 [redacted]

Director /
National Reconnaissance Office

2 Atchs:
1. Report of Ad Hoc Committee
25X1 [redacted]
25X1
2. 1957 CIA-USAF Agreement
25X1 [redacted]

cc: Deputy Secretary of Defense
25X1 [redacted]

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1 June 1965

SPB 5-033

To: Director, (S) National Reconnaissance Office (NRO)

Subject: Report of the Ad Hoc Committee

1. An Ad Hoc Committee under the chairmanship of the (S)NRO was appointed through an exchange of correspondence between the D/(S)NRO, the Director, Defense Intelligence Agency (D/DIA), and the Deputy Director, Central Intelligence (DDCI) to review and report on accomplished over denied areas. The Committee was composed of representatives of the (S)NRO, DIA, United States Air Force (USAF), Central Intelligence Agency (CIA), and the National Photographic Interpretation Center (NPIC). The terms of reference of the Committee were established by General Stewart of (S)NRO (see Tab B).

2. There exists an agreement made in 1957 between the CIA and the U. S. Air Force with the concurrence of the then Ad Hoc Committee on Requirements for AQUATONE (ARC), the predecessor of the Committee on Overhead Reconnaissance (COMOR). Your Committee reviewed this agreement and updated the policies and procedures for It also reviewed the various responsibilities involved in such activity, taking into account the (TS) National Reconnaissance Program (NRP) which was not in existence at that time. This review resulted in the development of a statement of "Policy and Procedures for Nationally Programmed Photographic Reconnaissance Missions (Excluding Satellite Reconnaissance)" (see Tab A).

3. This statement provides for the establishment of an in the theaters as well as sub units or mobile units as may be necessary.

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1 June 1965

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Subject: Policy and Procedures for Selected Nationally Programmed Photographic Reconnaissance Missions. (Excluding Satellite Reconnaissance)

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1. PURPOSE: To establish policies and procedures for selected nationally programmed photographic reconnaissance missions. [DEFINITION: Nationally programmed photographic reconnaissance missions are those conducted by the (S) National Reconnaissance Office (NRO) or other agencies in response to United States Intelligence Board (USIB) requirements.

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2. CANCELLATION: Upon implementation of these policies and procedures the 1957 agreement governing the operations is null and void.

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3. GENERAL: In order to provide for the most expeditious processing and reporting of nationally programmed photographic reconnaissance missions, fixed photographic processing and reporting facilities, one have been designated. Other processing and reporting units will be established as required.

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When processing and readout are directed, these centers will be responsible, primarily, for processing to meet (S)NRO standards and expeditious reporting in response to requirements of the USIB and, additionally, requirements of the respective parent Unified Command.

4. FACILITIES: In order to provide the required facilities and personnel, the Department of Defense (DoD) has designated as the following:

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Tab A

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25X1

a. Location

25X1

(3) Such other facilities as may, on an interim basis, be required by the (S)NRO to support the (TS) National Reconnaissance Program.

b. Requirements: To meet both theater and national intelligence needs, each 25X1 should provide for the following:

(1) Secure facility

(2) Quality processing

(3) Volume production of original negatives and duplicates

(4) Secure communications

(5) Sufficient number of properly trained exploitation personnel

(6) Intelligence data handling system

25X1

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5. MISSION: It shall be the mission of the to process, reproduce, and report on such reconnaissance missions as directed by the (S)NRO with the advice of USIB. In fulfilling this mission the following tasks will be accomplished. 25X1

a. (S) National Reconnaissance Office (NRO):

(1) Certify that designated are operational. 25X1

(2) Assign processing responsibilities to specific 25X1 (reporting should be accomplished at the processing site for reason of speed).

(3) On a priority basis provide for the shipment of a duplicate positive and mission track of all nationally programmed reconnaissance missions from the to the National Photographic Interpretation Center (NPIC). 25X1

(4) Provide designated timely mission alerting information as required. 25X1

(5) Provide mission track to the designated as soon as practicable. 25X1

(6) Provide technological assistance and quality standards for photographic processing. 25X1

(7) Receive complaints from consumers and initiate remedial action if and as required.

(8) Provide with emergency procurement and shipment of photographic processing equipment and supplies. 25X1

25X1

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(9) Provide emergency funding to support operations.

(10) Provide basic guidance on national plans (e.g., anticipated sorties rates, emergency of new capabilities, etc.) which will affect the accomplishment of missions.

b. Committee on Overhead Reconnaissance (COMOR):

(1) On behalf of USIB, advise the (S)NRO as to the degree of urgency on processing and reporting of each mission.

(2) Provide each with current listings of established USIB (COMOR) reconnaissance requirements.

(3) Provide (S)NRO with a priority schedule of the community's needs for duplication of film.

c. (C) National Photographic Interpretation Center (NPIC):

(1) Provide each background data on COMOR target objectives and support to enhance the maintenance of an intelligence library, in response to arrangements made with NPIC by the Defense Intelligence Agency (DIA) on behalf of the

(2) Provide each on request, photographic interpretation assistance and services for the reporting of COMOR target objectives.

d. Department of Defense (DoD):

(1) Unified and Specified Commands:

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(a) Insure adequate facilities, personnel, equipment, and supplies for processing are provided the in accordance with the standards established by the (S)NRO.

(b) Insure adequate facilities, personnel, equipment, and supplies for photographic exploitation are provided the in accordance with standards established by the DoD.

(c) Insure implementation of instructions and tasks as established by the (S)NRO, and, as appropriate, by the USIB.

(2) Defense Intelligence Agency (DIA):

(a) Act as the executive agent for (S)NRO, COMOR, and NPIC in their contacts with the

(b) Receive complaints from consumers regarding Photo Interpretation, and initiate remedial action when and if required.

(3) The Military Departments:

(a) Provide personnel, facilities, and equipment as required to support the

(b) Provide and maintain secure communications - facilities responsive to the need for prompt reporting.

(4)

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(a) Maintain required security of their designated operating areas.

(b) Procure and maintain their processing equipment and supplies in accordance with the standards established by (S)NRO.

(c) Acquire and maintain on board adequately cleared and appropriately qualified personnel required for sustained operations.

(d) Acquire and maintain an intelligence reference library to enhance the timeliness and accuracy of reporting.

(e) Process original negatives of assigned missions.

(f) Reproduce and ship copies as directed.

(g) Prepare Immediate Photographic Interpretation Report and transmit cable to Theater and recipients under identical priority. 25X1

6. FUNDING:

25X1 a. NRO 25X1

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b. [redacted] operated by the U. S. Navy will be provided direct material support by the (S)NRO on an as required basis. 25X1

7. COMMUNICATIONS: All communications bearing on nationally controlled operations will be handled via [redacted] channels, except in those cases where authorization has been received from the (S)NRO. 25X1

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Enclosure B

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1 June 1965

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Terms of Reference

MEMORANDUM FOR COLONEL OHLMEYER, AFSPPL

SUBJECT: Establishment of Ad Hoc Committee 7 December 1964

At the request of the Director, Defense Intelligence Agency (D/DIA), and at the direction of the Director, (S) National Reconnaissance Office (NRO), an Ad Hoc Committee is hereby established to:

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1. Review and update policies and procedures for

2. Review and redefine (as necessary) operational, logistic, and technological responsibilities and support sources for overseas 25X1

25X1 to conform with the present organizational structure within the (TS) National Reconnaissance Program.

3. Analyze and define technological and production capability criteria and standards required of requisite to their employment in support of sensitive photographic missions. 25X1

25X1

4. Evaluate existing presently or potentially employable in the support of sensitve photographic missions against the above established criteria.

5. Recommend reasonable actions which should be taken to:

a. Upgrade existing facilities where necessary.

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Tab B

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Enclosure B

25X1

1 June 1965

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b. Delete facilities where need no longer exists.

c. Add new or additional facilities where need exists.

6. Written reports shall be submitted to the D/(S)NRO on or before the dates indicated as follows:

a. Phase I, consisting of Tasks 1 and 2 above - 20 January 1965.

b. Phase II, consisting of Tasks 3, 4, and 5 above - 1 February 1965.

7. Membership of the Committee shall consist of:

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Colonel Harold Z Ohlmeyer, AFSPPL, Chairman

25X1

, (S)NRO Staff, Member

DIA, Member

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(C)NPIC, Member

CIA, Member

CIA (COMOR), Member

Lieutenant Colonel John G Paynter, HQ USAF, Member

8. You are authorized to appoint from within your organization one officer to serve as Executive Secretary to the Committee.

9. It is desired that meetings of the full Committee be held in the Washington, D. C. area to commence not later than 8 December 1964.

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/s/

Brigadier General, USAF
Director, (S) NRO Staff

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Tab B

Approved For Release 2007/08/06 : CIA-RDP75B00621R000100020002-3

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Subject: Photographic Processing and Production Standards for (S)NRO Designated

1. PRODUCTION

An shall consist of a secure, clean, temperature and humidity controlled production facility which is capable of processing uncut the two rolls of original negative "take" accomplishing necessary film breakdown, identification, titling, and producing at least two duplicate positives every 24 hours. The following minimum production equipments and capabilities are required:

a. At least one film inspection/rewinding station with sufficient spool dollies to darkroom re-wind and thoroughly inspect each roll of original negative film prior to the introduction of the uncut film (except to repair camera caused damage) into the processor.

b. Two original negative processors, sensitometrically balanced and certified, and capable of processing the original film in uncut condition to the standards described in paragraph 2. a. herein throughout the entire processing cycle.

c. Sufficient certified film inspection/splicing tables to perform film breakdown and identification into exposure segments, with film heads and tails identification leaders spliced thereon.

d. At least one or equal production edge titler. USAF

e. At least one film cleaner-waxer-lacquerer and one tacky roll cleaner to render the title permanent and perform film cleaning.

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(3) Density difference (ΔD or contrast) values of reproduced product [redacted] are established to describe 25X1 USAF the product considered most acceptable for photo interpreter intelligence extraction and at the same time provide the most normal and uniform density ranges for further reproduction with minimum loss of stored information. (Normally, density differ- 25X1

[redacted] 25X1

(5) Processing Effects: There should be no image degradation attributable to processing such as scratches, streaks, mottle, pinholes, blisters, ferrotyping, or other processing anomalies.

(6) Exposure Effects: No image degradation should be assignable to exposure deficiencies such as banding, uneven illumination, streaks, or inadequate contact.

(7) Density variation attributed to exposure and processing 25X1 effects is not to exceed [redacted] throughout any one roll. This standard is not to be applied to streaking, mottle, or deficiencies in the process but rather against inherent variations due to equipment design or function.

(8) Minimum contamination (dirt, dust, foreign particulate matter) should be physically present or inserted through the duplication process in informational areas. Processing defects (pinholes, spots, etc.) should be highly infrequent and not affect 25X1 informational value of the product. The decision of whether a duplicate

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is rejectable due to such defects is of necessity difficult and relies heavily on the judgment of the inspector. In general, a rejectable roll is one in which the presence of foreign matter or its effect is such that the informational value of the product is degraded.

(9) Archival quality as defined under American Standard Association specifications is to be the normal goal. Under emergency conditions, and due to mission pressures, facility or environmental factors less than archival quality may be acceptable as a temporary condition; however, under no circumstances is thiosulfate retention to exceed measured as anhydrous sodium thiosulfate. 25X1

c. Facility Factors Affecting Product Quality

(1) Cleanliness of facilities involved in photographic laboratory activities has long been emphasized. Laboratories handling national photographic products must apply the highest standards of cleanliness in consonance with available physical facilities. Particular attention must be given to those areas handling original negative materials or engaged in the production and handling of duplications. Any effort less than this can only result in degradation of duplication products and a lessening of the informational return of the intelligence system.

(2) A certain degree of environmental control is necessary in any photographic laboratory. Specific standards must consider the physical facility, equipment being used, and requirements of the photographic material. In general, temperatures must allow for drying of the photographic materials during processing as well as not placing excessive loads on temperature control systems in the equipment. Humidity levels must not prevent drying of photo- 25X1

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graphic materials nor should they be so high that they contribute to post-processing degradation of photographic materials. If unexposed or exposed unprocessed materials are to be stored before laboratory handling, and refrigeration storage is not available, consideration of temperature-humidity extremes 25X1

conditions of high relative humidity and temperature, extra care should be exercised to prevent an increase in personnel handling defects.

(3) Water quality is of prime concern in consideration of contamination and hardness. Foreign particulate material carried in water lines can become a serious source of material imbedded in the emulsion surface as well as result in premature failure of bearings and other mechanical parts. Filtration of 25X1

d. Chemical Services as Related to Product Quality

(1) Cleanliness of the chemical services area and equipment as applied to procedures is of prime concern. Every effort must be made to insure that outside contamination of chemical services equipment and photographic solutions does not occur. Additionally, utmost care must be exercised to prevent contamination of photographic solutions due to inadequate internal procedures.

(2) During the mixing operation, extreme care must be used to follow recommended mixing order and procedures. Mixing temperatures should be followed with not more than deviation from standard. Personnel should note any abnormal appearance of chemicals and make appropriate tests if deemed necessary 25X1 25X1

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prior to mixing. A good rule is: If there is reasonable doubt as to quality of raw chemicals, they should be discarded.

(3) All photographic solutions should be certified for quality before use. No specific standards can be given here. The standards of certification should be established with experience and allow achievement of those standards assigned to original and duplication processing. Solutions should be certified against the following criteria:

(a) Developers - Specific Gravity
Total Alkalinity
pH
*Photographic Dip Test

(b) Short Stop - pH

(c) Fixers - Specific Gravity
pH
Clearing Dip Test

---

*This may be a tank or tray test and for active developers consists of processing of a sensitometric curve for two minutes at 70°. The curve is plotted and evaluated against previous mixes as well as for film speed and process gradient. A [redacted] variation is considered a good initial criterion. This can be varied as experience dictates. 25X1

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25X1 [redacted]

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e. Product Handling

(1) All personnel physically handling sensitive photographic materials (both original and duplicates) should wear gloves suitable for film handling. Wearing of gloves should be required in all areas where personnel handle product except those operations where gloves would be a definite hindrance to operations (pre-inspection, processing, etc.).

(2) Masks should be worn in areas where personnel are required to bring their faces into proximity with photographic materials. This condition would primarily occur in, but not be restricted to, ON post-inspection, printing instruction determination, and inspection of duplicate materials.

(3) All equipment that handles original or duplicate materials should be certified free from physical degradation prior to introduction of product. Such equipment would include, but not be restricted to, processors, printers, titlers, film handling tables, and cleaner-waxer-lacquering devices.

(4) Original negative materials will be cleaned and waxed prior to printing. Negatives will be frequently cleaned and waxed during use in duplicating, frequency not to be less than every six passes through the printer. Lacquering will not be required unless titling has been reaccomplished or lacquer coating removed. Original materials will be handled only on certified equipment and will be kept in a protective can or other container except when in actual use. Duplicates will be handled in the same manner as original material except that lacquering will not be necessary unless titling is done on the duplicate, and waxing will be accomplished only if required by directives or the customer.

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(5) Packaging and shipping will be in accordance with Air Force or other appropriate directives. Packaging will at all times protect the material from physical damage. Any implementation or change in packaging will take the possibility of physical damage into consideration.

f. Quality Control Considerations

(1) This section will be concerned only with those considerations applied towards protecting the integrity of original materials and quality of duplications made therefrom.

(2) Certification of equipment and chemicals has been discussed in other sections. This step is a vital part of any quality control program.

(3) Raw material evaluation is herein divided into two parts, original and duplication materials:

(a) Original - If feasible, a sample of actual mission raw material should be obtained for evaluation and process certification. In lieu of this, a sample of the same type material will be used. When not in actual use, these "control" materials will be kept under refrigeration.

(b) Duplication - Samples of each emulsion batch of each type of material used will be evaluated for physical and sensitometric characteristics. Results of this evaluation will form the basis for exposure and processing standards during actual product duplication.

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(4) Following original processing or on receipt of processed ON material and before printing, all original negative rolls will be inspected and undergo densitometric evaluation, the results of which will form the basis for exposure in duplication.

(5) Following printing and processing of duplicates, they should be inspected for evidence of physical defects and densitometrically evaluated for correct density and contrast relationships. Basis for rejection or acceptance will be standards set forth in the section on duplication standards.

(6) The written results of pre- and post-inspection of original and duplication materials, together with equipment and chemical certifications, sensitometric control as applied to processor operation, and analysis of all qualitative factors as set forth in this standard, will be evaluated, assembled, and made a permanent record of mission accomplishment.

(7) Method of processor control as well as determining printer exposures is left to the discretion of the laboratory. It is highly recommended that a constant check on gradient (or gamma), material, speed, and one or more density steps on an H&D curve be used as a basis for evaluating process control. Gains through lowered rejection rates, dependability of production, faster reaction and production time, as well as more effective personnel utilization, make this control essential.

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25X1

1 June 1965

CENTRAL INTELLIGENCE AGENCY

WASHINGTON 25, D. C.

OFFICE OF DEPUTY DIRECTOR OF CENTRAL INTELLIGENCE

23 April 1957

MEMORANDUM FOR: Director of Intelligence
United States Air Force

SUBJECT: Policy and Procedures for 25X1
on Photographic Results of AQUATONE
Operations 25X1

It is my understanding that the attached statement of policy and procedures is satisfactory to the Air Force as well as to the Army and Navy and the offices of this Agency. I approve this document for planning purposes. However, the activation of 25X1
should await the initiation of AQUATONE operations in 25X1
the at which time, in consultation with the participating agencies, a decision will be made explicitly for 25X1
as required.

C. P. CABELL
Lieutenant General, USAF
Deputy Director

Attachment 25X1

1&2-addressee w/2 atts
3-Army w/4 atts
4-Navy w/4 atts
5-AF w/5 atts
6-NSA w/2 atts
7-State w/2 atts
8-Proj Dir w/1 att
9-Chief, HTA w/7 atts
10-Dir Ops w/4 atts
11-DD/I(P) w/1 att
12-Dir Admin w/1 att
13-Commo w/1 att
14-TSO w/1 att
15-PSO w/1 att
16-Cabell w/1 att
17-file w/1 att
18-chrono w/1 att

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COMOR General file

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COMOR-D-36/3

10 April 1963

MEMORANDUM FOR: Committee on Overhead Reconnaissance

SUBJECT: Preliminary Evaluation of High-Altitude Color Photography

Attached for the information of the COMOR is the [redacted] 25X1
Ansco color film taken from high altitude. [redacted]
the request of DIA.

25X1 [redacted]

25X1

[redacted] Chairman
Comm[redacted]n Overhead Reconnaissance

Attachment
Subject paper
(Note: Because of a limited number of copies and specialized interest, copies of this have not been sent to the regular COMOR distribution list.)

Copies		
	State TCO	(2)
	DIA [redacted]	(1)
	DIA (D/NIC)	(1)
	DIA TCO	(4)
	OACSI TCO	(1)
	ONI TCO	(2)
	AFNIN TCO	(2)
	NSA TCO	(2)
	NRO TCO	(2)

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GROUP - 1
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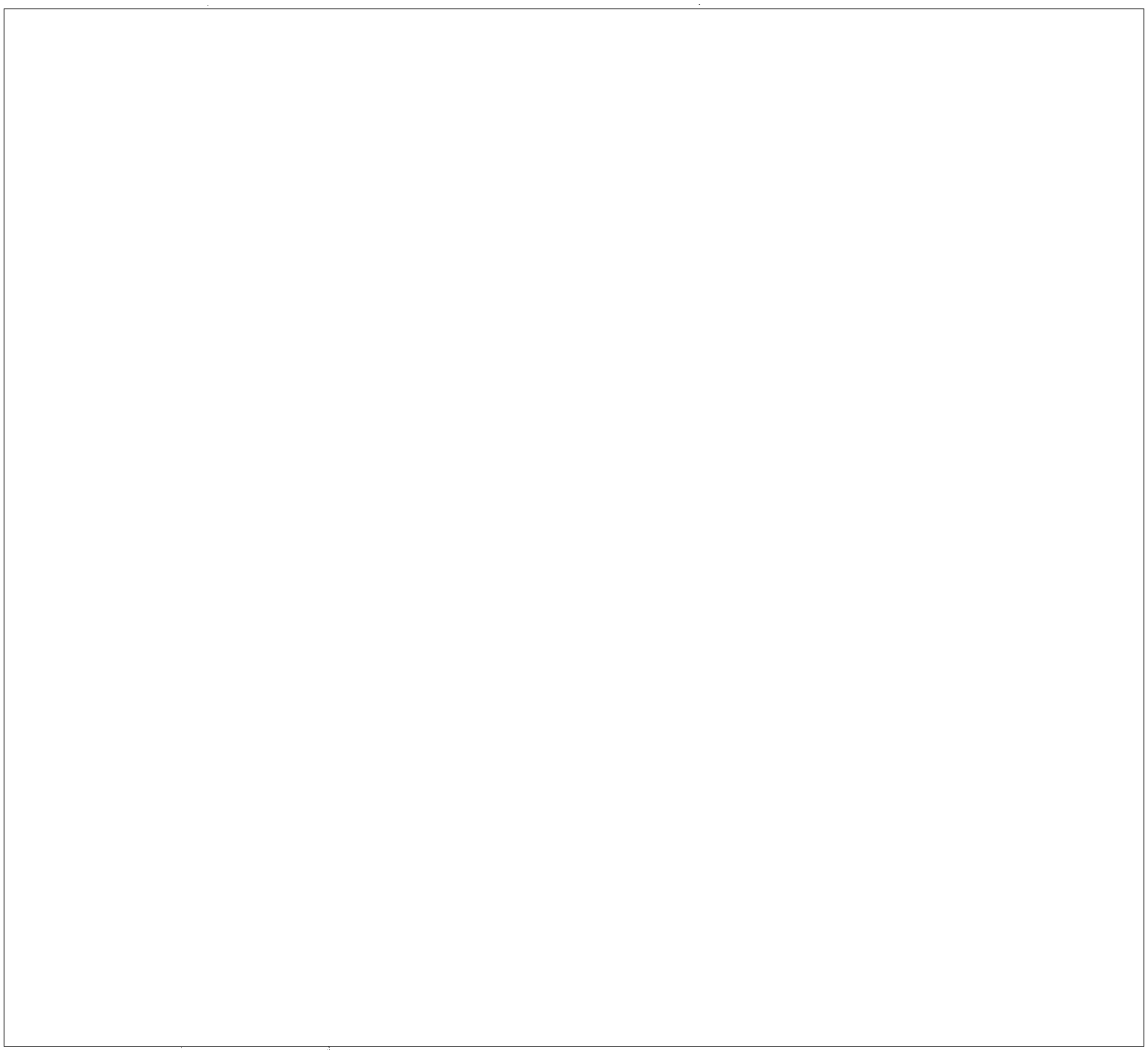
Comor-D-36/3

SUBJECT: High Altitude Color Photography



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Comor-D-36/3

SUBJECT: High Altitude Color Photography

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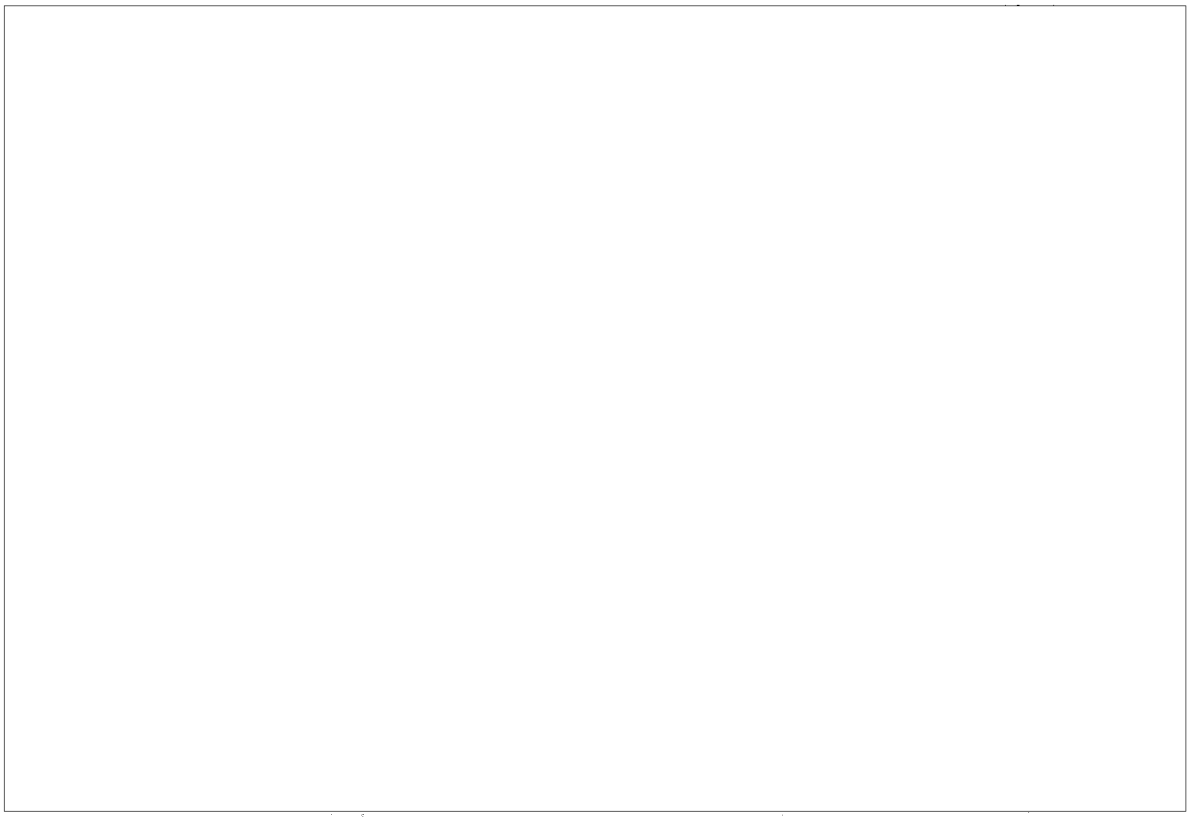

3. Although the above conclusions are firm for the six samples involved, it sho ld be understood that these conclusions may only be indicative of what can be obtained. Whether these same conclusions could be arrived at using entire missions, under operational conditions, would require further samples and more study.

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1 copy to:
DCI TCO for USIB/S
Asst/OPS(NPIC) (2)
C/PSD(NPIC)
C/PID(NPIC)
C/CSD(NPIC)
LS/PID(NPIC)
TSO CIA
DDI TCO
OCI TCO
OSI TCO (2)
OSI TCO (2) for COMOR Member
ORR TCO
DDP TCO
DDR TCO
AD/OSA
OD/OSA
Intel/OSA
SO/OSA
SAIL/OSA
SA/DDR (3)

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COMOR-D-36/2

13 August 1962

[redacted]

MEMORANDUM FOR: Committee on Overhead Reconnaissance

SUBJECT: Proposed Disestablishment of the Technical Subcommittee on Processing

REFERENCE: COMOR-D-36/1

1. At the instance of the DIA/JCS representative on COMOR the COMOR in the reference document established a technical subcommittee on processing. The purpose was to provide a systematic mechanism whereby those in each agency responsible for technical exploitation of photography within the purview of COMOR would be able to raise problems of mutual interest for resolution, to exchange technical views, and to exchange views with those from Operations who were responsible for the processing of the original and duplicates on overflight missions.

2. The establishment of the Technical Subcommittee was endorsed and welcomed by the Deputy Director (Research)/CIA, the Acting Chief of the then DPD/CIA, and Chief/Development Branch/DPD. Two meetings were held on 4 and 18 May 1962 on which occasions representatives of the contract processing facility and contract camera experts were able to brief the subcommittee and to answer questions. These appeared to be constructive sessions.

3. The establishment of the NRO and the definition of functions involved therein has lead to the conclusion of that office that the Technical Subcommittee on Processing is no longer necessary. Presumably consumers henceforth should look to the NRO to register complaints in regard to materials which they have received from the NRO and to acquire such technical information as may be necessary to accomplish their respective missions.

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COMOR-D-36/2

4. Recommendation: It is recommended that the COMOR disestablish its Technical Subcommittee on Processing, it being understood that hereafter the members individually will look to the NRO for the answer to any questions bearing upon processing except with regard to the determination of duplicates required and the order of priority to satisfy Community needs (the responsibility which COMOR has long exercised) and the responsibility to advise the NRO if, as, and when the need for speed in acquisition of photography may suggest the use of some installation other than the contract facility. The COMOR in concluding to disestablish the subcommittee earnestly recommends to the NRO that it initiate some method for systematic consultation with the exploiters in order that problems involving processing may be promptly considered and in order that the exploiters may have the benefit of data relating to camera configuration, operational limitations, or processing which would have a bearing upon exploitation.

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Chairman

25X1 Comm on Overhead Reconnaissance

Copies 2, 3--State TCO
4--DIA
5, 6, 7--DIA TCO
8--OACSI TCO
9--ONI TCO
10, 11--AFCIN TCO
12, 13--NSA TCO

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COMOR-D-36/2

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15--C/CIA/PAD(NPIC)
16--C/DMD/NPIC
17--LS/CIA/PAD(NPIC)
18--TSO CIA
19--DDI TCO
20--OCI TCO
21--OSI TCO
22--ORR TCO
23,24--DDP TCO
25--DDR
26--AD/OSA
27--Intel/OSA
28--SO/OSA
29-31--C/SRS/OSA/DDR

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COMOR-36/1

9 April 1962

MEMORANDUM FOR: Committee on Overhead Reconnaissance

SUBJECT: Establishment of a COMOR Subcommittee on Processing

1. At the meeting of the Committee on Overhead Reconnaissance on 5 April 1962 (COMOR-M-75), the COMOR approved the recommendation of the DIA to establish a Subcommittee on Processing. The members were requested to submit to the office of the Chairman within the week the names of their representatives and alternates with the understanding that other technical experts might be invited to participate as the problems which the Subcommittee deal with might require.

2. In this connection, there is submitted in the attached memorandum for the record a report of an ad hoc investigation of processing problems which is distributed for the information and reference of the members.

3. It will be noted that the ad hoc group (para 18 of attachment) made three suggestions. The first, on the updating and improving of the processing facility, has already been referred to the Development Branch of DPD with the suggestion that, as soon as feasible, it would be helpful to the Subcommittee and to the COMOR itself, to have a briefing on what plans they might have in this regard. The COMOR members themselves might well give immediate study to the second and third of these suggestions, looking toward formulating specific views of COMOR and eventual guidance to DPD and the factory. Thus, for example, what kind of time-span is the COMOR willing to allow, to permit higher quality on a non-crash basis. It would seem that it would be useful to COMOR to know what the processor might have in mind as to the additional time needed. He is being asked this question.

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4. As soon as the names of the representatives on the Subcommittee have been submitted, arrangements will be made for convening the group.

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Chairman
Committee on Overhead Reconnaissance

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9--ONI TCO
10, 11, 12--AFCIN TCO
13, 14--NSA TCO

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DIA-KH-49-62
(2 April 1962)

Joint Photographic Processing Meeting at the National Photographic Interpretation Center, 14 March 1962

1. Subject meeting was held at the request of the Joint Staff to discuss problems relating to the duplicate (KEYHOLE) film materials produced by the contractor at the processing center. The attached paper represents the results of this meeting.

2. In view of the fact that a problem has now been identified, it is requested that a highly qualified joint technical group be established under the auspices of COMOR to examine the entire field of photographic processing. It is proposed that this group be charged with the following objectives:

a. Short Term

(1) Determine what could be improved in the present contract processing facility with respect to equipment and physical plant.

(2) Determine if processing procedures are presently adequate.

(3) Determine and evaluate practical alternatives to improving the present contract facility.

b. Long Term

(1) Consider other programmed photographic systems in terms of their impact on the processing capabilities of contract or other facilities.

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C. And finally, the group should pursue a technical approach to the problem and should be required to make specific, technical, objective recommendations with respect to processing facilities, equipment, procedures and techniques.

25X1 (signed)

Colonel, USAF
COMOR Member
DIA/Joint Staff

1 Atch
MFR, 29 March 1962

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(29 March 1962)

MEMORANDUM FOR THE RECORD

Subject: Joint Services Meeting at NPIC, 14 March 1962

1. On 14 March 1962 at 1000 hours, at the request of the JCS, a meeting was held at NPIC to discuss some current problems related to the duplicate (KEYHOLE) film materials produced by the contractor at the processing center. The senior JCS representative, Captain Jack Grayson, acted as monitor for the meeting. Those present included:

NPIC
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AIR FORCE
LCol. Eugene F. Tighe
1/Lt William B. Sullivan
LCol Kenneth Duncan
Capt. Arthur A. Andraitas
M/Sgt Charles D. Pierce

CIA
25X1

ARMY
Capt. Thomas J. Hogan
Mr. Serenus W. Dossi
LCol George Eckert
Mr. Estill Jones

NAVY
Lt. Eugene M. Rice

JCS
Capt. Jack Grayson, USN
Dr. Ellis L. Rabben (Consultant)

Contractor
25X1

2. A letter from General Lee, J-2 Joint Staff, stated that SAC was of the opinion that it was not receiving the same quality of photographic materials as those provided the National Photographic Interpretation Center. Specific examples were provided by SAC to illustrate the following physical defects:

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In addition, a comparison of working photographic materials used by interpreters at SAC and at NPIC was requested by JCS.

3. The SAC representatives stated that they believed that systematic differences in quality of delivered photography could not be determined except by comparing all delivered copies with each other and with the original negatives. They also questioned whether the quality of the original materials for everyone was as high as state of the art permitted. Lt. Col. Tighe stated that SAC had no complaint concerning the quality of materials they received in comparison with those received by NPIC. The contractor's representative stated that all duplicate positives are made from the original negative, per directive, which was cleaned and waxed every third printing. Duplicate negatives are made from one of the first few duplicate positives. All of these positives and negatives are exposed on the same printer and all processed under controlled conditions and any differences between the copies of the same generation would be insignificant. All of the defects listed above, contained in General Lee's letter, were categorized as attributable to three distinct and separate phases of the total operation: (1) the camera system; (2) the printer for generating the duplicate positives and negatives; and (3) processing errors. It was further explained that errors due to processing were the least likely to occur since there was very strict quality control during this phase of the operation. Errors due to printing were more likely to occur due to the environment of the plant which was not in any sense of the word a "white glove" operation. It was generally agreed by those present that random quality fluctuations are to be expected in mass production runs, but it is improbable that SAC would systematically receive photography of lesser quality than NPIC. It was further stated that many of the errors as listed could be directly attributable to defects inherent in the camera system.

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4. At this point in the meeting, [redacted] CIA, stated that due to lack of operational-type clearances of some of the persons present, it would be difficult, if not impossible, to explain the defects which were directly due to the camera system and how they had been corrected for future missions. It was agreed by most of the members present that a valid means of determining those errors due to printing and processing as differentiated from those errors in the camera system might best be determined by comparison with the original negative on the same mission number. Several examples of duplicate positives and subsequent generation materials were on exhibit in the area.

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[redacted]

6. At the request of JCS, samples of NPIC working photography and SAC samples of identical frames and frame portions were placed on light tables for comparison. However, the samples furnished by SAC were not the highest quality working materials requested, and were established to be fourth generation, electronically dodged copies; therefore a meaningful comparison was not possible.

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7. At 1200 hours, it was agreed to terminate this meeting and to appoint a committee chaired by [redacted] of NPIC to meet at 1330 hours in the 5th floor conference room. The purpose and function of this committee was to carry on discussions of some

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of the points raised at the morning session and to make suggestions which would lead to an improvement in the photographic products in the KH system.

8. The afternoon meeting convened at 1330 hours. Those present included:

NPIC

JCS
Capt. Jack Grayson, USN
Dr. Ellis L. Rabben (Consultant)

NAVY
Lt. E. M. Rice, USN

ARMY
Mr. S. W. Dossi
Capt. Thomas J. Hogan

AIR FORCE
LCol Eugene F. Tighe
Lt. W. B. Sullivan
Capt. Arthur A. Andraitas
LCol Kenneth Duncan

CONTRACTOR

9. opened the discussion at 1330 hours and made a resume of the significant points of dicussion in the morning session of the larger group. During the morning session there had been several references to Log-Etronic printing of the duplicate positive and duplicate negative materials. For the benefit of those present at this committee meeting who were not entirely familiar with the Log-Etronic principle, described this system in some detail pointing out its limitations and advantages. Some of the points stressed were:

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c. Since the directive states that all duplicate positive copies are to be generated from the original negative, the Log-Etronic printer would place a severe limitation in time for the printing operation which is now keyed to the processing laboratory.

d. Most, if not all, of the interested parties have their own printing and processing equipment which in many cases includes a Log-Etronic strip printer and selective printing from the total footage could best be accomplished locally and/or individually. This printing would necessarily be made from a second generation duplicate positive and would result in a Log-Etronic duplicate negative. Subsequent photographic products from this duplicate would be two generations removed from products from the original negative. In this method there would be an attendant loss of resolution due to the subsequent generations. This type of printing could best be accomplished on a selective basis from the original negative while still in the possession of the processing laboratory.

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10. Since [redacted] is familiar with the operation from several visits to the processing laboratory, he recommended that the necessary steps be taken to substantially improve the environment for the equipment now being used in that laboratory. The contractor's representative stated that the processing plant was initially designed to handle TALENT-type materials and that new programs have placed additional workloads and higher resolution requirements far beyond the initial scope. He further stated that a look into future requirements might justify a major revision to his installation.

11. Lt. Sullivan suggested that the laboratory at Westover AFB represented the latest in the state-of-the-art as a processing facility and that some thought should be given to transferring the processing and printing function of the KH materials to Westover. It was further suggested by Lt. Sullivan that NPIC eliminate the requirements for the first positive copy now produced at the processing plant in order to allow more time for the several

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duplicate positives for general distribution. It was stated by Dr. Rabben that there were several factors inappropriate to discuss at the moment, which might make use of Westover undesirable for the KH program.

12. It was agreed that it would be desirable to furnish data to the contractor on a continuing basis relative to the type and quality characteristics of duplicate positives and negatives required by individual users.

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13. It was pointed out by [redacted] that the number of positive and negative duplicates from one KH mission resulted

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in [redacted] photographic printing and processing and that there must necessarily be some compromise in the accuracy and quality of these duplicate materials so long as there is a strict time limit set upon the completion of these

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materials. Further, the transfer of a photographic record in the [redacted] was difficult, if not impossible, to accomplish by roll printing techniques in the present state-of-th-art equipment. There are several developmental type projects which are specifically concerned with this problem and it was recommended that a very close surveillance of these projects be kept by members of the committee and that appropriate actions be taken to apply any gains in technology and equipment to the production of KH materials.

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14. In response to questions, the contractor's representative

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stated that [redacted]

15. Dr. Rabben stated that it would be desirable to have the best possible processing facility, with a highly controlled environment, even if only for a single additional mission, because of the importance of even small quality increments when working with materials that approach marginal legibility. Also, the cost of a processing facility appears small when compared to the other costs of a single mission.

16. Questions directed to the contractor's representative developed the fact that he was constrained by instructions with respect

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to reproducing negatives, i.e., duplicate negatives have to be identical to the original even when better duplicates might be made.

17. None of the participants knew of operational reasons which required the time pressure on the processing phase. It was also brought out that considering the phases of launch, orbit, recovery, delivery to the processing facility, processing, and delivery to the processing facility, processing, and delivery to users, numerous delays occurred, of which processing was only one. However, the processing phase is the only phase during which quality losses can occur as a result of time compression, and in which time pressure consistently occurs. The contractor's representative pointed out, however, that with an improved facility more time might not be required for more rigorous quality control.

18. It was the judgment of the group that three suggestions could be made:

a. The processing facility should be updated and improved to become the best in the country.

b. The contractor's representative should be authorized to use his best judgment, in accordance with guidance as previously noted, as to the way to make the best possible duplicate materials.

c. The time pressure for delivery of materials should be alleviated; i.e., participants might attempt to convince their organizations that it is worthwhile to trade time for quality.

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COMOR General

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COMOR-D-36

25 April 1961

MEMORANDUM FOR: COMOR

SUBJECT: Complaints regarding Reproduction of Satellite Photography

1. Attached for the attention of COMOR members and discussion at the next COMOR meeting is a memorandum from Major Watson which is self-explanatory.

2. For the future it would be appreciated if any complaint regarding the technical characteristics of TALENT and TALENT-KEYHOLE material would be submitted in writing directly to the Chairman of COMOR so that DPD can be properly advised and any necessary remedial steps taken.

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Chairman
Comm Overhead Reconnaissance

Attachment: Quality of Reprod rom CORONA

Copy 2--State TCO
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4--JCS TCO
5--OACSI TCO
6--ONI TCO
7, 8--AFCIN TCO
9, 10--NSA TCO

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25X1 [redacted] TOP SECRET [redacted] 25X1 25X1

Quality of Reproductions from CORONA

1. As you remember, immediately after [redacted] 25X1 USAF SAC reported dissatisfaction with the density of the reproductions of the "C" missions. This was resolved by a series of printing level samples made by Mr. Ed Green and shipped to SAC for their review. Also as you remember, this resulted in no change in printing requirements.

2. Recently I have had rumors of dissatisfaction by many of the users--SAC, ACIC, AFCIN, and NPIC. All complaints seem to indicate that they are dissatisfied with density, that is, density seems to be too high. It seems some complain because of the problems faced in rectification and others when they attempt to use the material in their [redacted] 25X1 USAF

3. Request you review this problem with the COMOR to either confirm or deny such rumors. If dissatisfaction does exist, it is requested each customer make known his requirements so that we can give them the service they require.

25X1 [redacted]

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25X1 [redacted] TOP SECRET [redacted] 25X1
[redacted] 25X1

Copy 1--DDP
11--AC/DPD
12--DDI(P) TCO
13--OCI TCO
14--OSI TCO
15--ORR TCO
16--DIR, NPIC
17--CIA TSO
18,19--C/DMD/NPIC
20--DDP TCO
21--Asst AC/DPD
22--C/SPB/DPD
23--Intel Staff/DPD
25X1 24--[redacted]
25X1 25--[redacted]
25X1 26-30--[redacted]

TOP SECRET [redacted] 25X1
[redacted] 25X1

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